

One Month

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05:07

getElementById() and getElementsByClassName()

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Week 2: DOM Manipulation · Lesson 6 ·

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`getElementById()` and `getElementsByClassName()` are similar to our friend `querySelector()`. `getElementById()` returns an `Element` object representing the element whose `id` property matches the specified string. Since element IDs are required to be unique in a page, they are a useful way to quickly get access to a specific element. An ID should be unique within a page, however, if a page has more than one element with the specified ID, then `getElementById()` returns the first element that matches. If no elements with the specified ID exist, it returns `null`.

Solution to "Reset" button challenge in *mr-javascript.html*

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Mr. JavaScript</title>
  </head>
  <body>

    <h1>I'm Mr. JavaScript</h1>
    <a href="#" class="reset">Reset</a>
    <a href="#" class="howareyou">Hey JavaScript, how ya fe
    <script type="text/javascript">

      var reset = document.querySelector(".reset");

      reset.addEventListener('click',function(){

        var h1 = document.querySelector("h1");
        h1.innerHTML = "Hey JavaScript, how ya feeling?";
        console.log(h1);

      });

      var a = document.querySelector(".howareyou");

      a.addEventListener('click',function(){

        var h1 = document.querySelector("h1");
        h1.innerHTML = "I'm alive!";
        console.log(h1);

      });

    </script>
  </body>
</html>
```

Demo of getElementById() and getElementsByClassName() in *mr-javascript.html*

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Mr. JavaScript</title>
  </head>
  <body>

    <h1>I'm Mr. JavaScript</h1>
    <a href="#" id="reset">Reset</a>
    <a href="#" class="howareyou">Hey JavaScript, how ya fe
    <script type="text/javascript">

      var reset = document.getElementById("reset");

      reset.addEventListener('click',function(){

        var h1 = document.querySelector("h1");
        h1.innerHTML = "Hey JavaScript, how ya feeling?";
        console.log(h1);

      });

      var a = document.getElementsByClassName("howareyou");
      console.log(a[0]);

      a[0].addEventListener('click',function(){

        var h1 = document.querySelector("h1");
        h1.innerHTML = "I'm alive!";
        console.log(h1);

      });

    </script>
  </body>
</html>
```

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